



Review of the FG-01 Antenna

Analyzer By Youkits.com

by Fred Lesnick VE3FAL

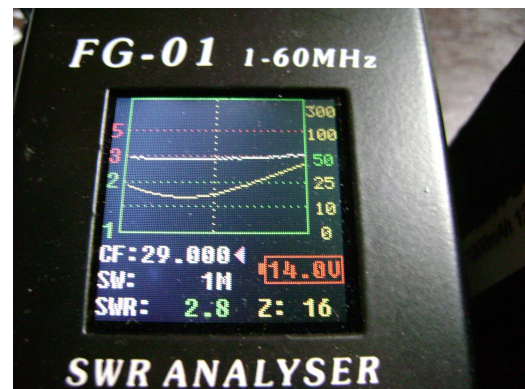
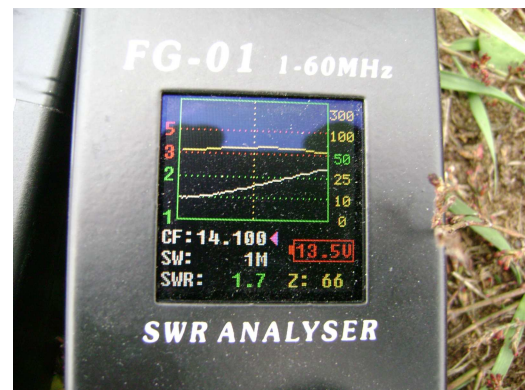
The Youkits FG-01 Antenna SWR Analyzer that covers 1-60 MHz arrived in my mailbox from China tightly and neatly protected by bubble wrap packaging. The unit when unwrapped is a rugged looking piece of test equipment. I quickly downloaded the manual from www.youkits.com and read over some of the features and setting for this unit. Once I was sure I read enough I set up a small 12v battery pack with connector (center positive) to use with the FG-01.

When I turned the unit on I was pleasantly surprised by the very bright and detailed display. Although small, the display is very easy to read and look at. The graph can be set up for whatever bandwidth you wish to see on your antenna. It also shows you the battery voltage, center frequency (CF), and SWR as well as impedance at CF. The unit needs a good 10-12v power supply and will deplete quite quickly as the unit draws a fair bit of power. There is also a optional lithium battery that can be purchased with the unit.

The bandwidth can be adjusted by quickly pressing the tuning knob and adjusting your steps from 100KHz-50MHz and then pressing the tuning knob to save your custom setting. The center frequency (CF) is adjusted in the same way and can be set from 1KHz-1MHz and then saving your settings. The FG-01 will also show multi resonant plots of the antenna that you are testing. The unit has a BNC connector on top as well as the external power jack. The front has the display, ON/OFF switch and tuning knob. The case is black with bold white lettering on it.

I used it in the field for JOTA and it made antenna tuning a snap. Being small and light weight it will fit in your jacket pocket or backpack with ease. I have used it for tuning vertical antennas as well as dipoles with great success.

I have used the MFJ models as well as the Autek units but really like the size of the FG-01 as well as the display with all the information shown on one screen, makes tuning fast and easy at home or in the field. For HF only this unit has lots of potential and should be in everyone's antenna erecting kit.



LARC SENATE

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Pat Doherty VE3PD
Dave Kimpton VE3AVS
Laurie Bridgett VE3BCD
Terry Stewardson VA3LU
Ed Baumann VE3SNW

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ABOUT US

The Lakehead Amateur Radio Club (LARC) is an incorporated not for profit group of amateur radio operators in the Thunder Bay area that meet for self education, community service and fellowship. Our meetings are the second Thursday of the month at room 191 McIntyre Building, Confederation College, 7:30 PM. Our postal address is 1100C Memorial Ave. Suite 184, Thunder Bay, Ontario P7B 4A3. This newsletter is published monthly except for July and August by Ed Baumann VE3SNW and questions and submissions may be emailed to ve3snw@shaw.ca

<http://www.hamuniverse.com/K4mmg2and6meter.html>

<http://www.arrl.org/news/view/em-ham-radio-in-hollywood-em-comedian-tim-allen-stars-as-radio-amateur-on-new-tv-show>

<http://news.yahoo.com/mexicos-cartels-build-own-national-radio-system-200251816.html>

<http://www.ama-assn.org/amednews/2012/01/02/prl20102.htm>

BWARC Tone Changes

The CTCSS Tones on the Maple Hill 146.895 and Gunflint Lake 146.730 repeaters have been changed effectively immediately to the new tone of 151.4. ALL BWARC repeaters now use this tone. Please share this information with anyone who may need it

73s and Happy New Year!

LARC Emergency Coordinator

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ARES District Emergency Coordinator

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CANWARN

VA3JMS John 767-3631

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Jayne N0UYQ

I KNOW FOR A FACT THE WORLD DOESN'T END THIS YEAR....MARTY MCFLY TRAVELLED TO 2015!

LARC OPEN ACCESS REPEATERS

VE3YQT(Mount Baldy)147.060 (-600) Phone Patch

VE3TBR (St. Joseph's) 146.820 pl 107.2

442.075 (+5 MHz)**pl 100**

144.390 APRS

VE3UPP Upsala 145.470 (-600)

Prez Sayz

Hello to all

Welcome to 2012. I would like to take a moment and thank all of the members of the Lakehead Amateur Radio Club for another good year. Many of you take time out of your busy lives to contribute to the community and to amateur radio itself. You donate countless hours of your personal time to make this world a better place to live. Pat yourselves on the back, you deserve it.

Many of you know that we have changed website domains in the last little while. For those of you that have not checked it out, try **www.larclub.ca**. Our old website has now been moved and the old domain address of **www.larclub.net** will direct you to the new site. Not sure how long the old one will run but if you need any help with this transition, please ask and we will be happy to help you out.

Membership is down in the club right now and we are hoping to get a few more members to join the ranks again. You must remember that this is your club and it needs to have your support in order to function. Paying members have privileges that extend to help keep the repeaters running and hosting events for our club. Hi Q is one of the perks to being a member. We have been sending out our news letter electronically every month to all paid members. Decisions are being made that may affect the mailing of HI Q. Expired memberships that have not been renewed by Dec. 2011 will probably notice that HI Q was not sent to you. This decision was made because non paying and paying accounts were receiving the same benefits. To use an example, if you paid for an amateur radio magazine subscription for a year and didn't renew and pay your fees, they would stop sending you that magazine. We have tried to encourage that paying the yearly dues would help to keep our club strong and with the payments, you would receive the added perks of being a member. I have heard many rumblings about a tone and ways to stop non paying people off the repeater. I don't think that is the answer and I hope in my time, that it doesn't happen. We don't need to slam our foot in the door to make a point, just a gentle nudge to ask that you support your hobby and make it better for yourself and fellow amateurs. Please consider your options and bring the strength of numbers back to the Lakehead Amateur Radio Club

73

Randy
VA3OJ

Ed's Note:

Regarding the distribution list for HI-Q. There has been no discussion with the executive, so my list has not changed for this issue. The executive has also not provided me with a distribution list. A distribution list is a lot more complicated than a simple members' list and contains addresses such as other clubs, emergency agencies, other newsletter editors and such. I don't know what the executive's intentions are and don't want to second-guess them. If you have any thoughts on the matter, please let Randy (va3oj@tbaytel.net) know what you think.

Cheers

Ed VE3SNW

HAPPY 2012

**AND TO EVERYONE WHO SUBMITTED
SOMETHING FOR HI-Q**



North East Ontario Regional Directors Report for January, 2012



First let me wish you all the best for 2012 and I hope that it is a great year for you. The bands have been getting better and even 10M is starting to open up on a regular basis. Next time you turn on the rig why not try listening on the higher bands.

This last December I made time to operate in the RAC winter contest and had a blast. Now that I am retired I can actually get more radio time. I am even heating up the soldering iron and going to complete all those QRP kits that I have had for years and never got around to completing.

One thing I am trying to do this year is to check into nets on a more regular basis and two I would like to highlight are the North West Ontario Phone Net which meets daily on 3750 kHz at 0115 UTC. The other is the Trans Provincial Net that operates daily on 7055 kHz from 1200 UTC until 2200 UTC. The Net Control Stations would appreciate a check in from you. If there is a net that I may not know about please let me know and I will mention it here.

One other issue confounding RAC is the inconsistencies in the Amateur Radio Data base that Industry Canada maintains. Since we no longer pay for our station license IC is relying on Amateurs themselves to maintain their data. Most Amateurs are, but there are a few that are not current. IC has a new site that allows Amateurs to set up an account and modify our details. Remember we are required to notify IC when there is a change in our location. The link to set up your personal account is:

<http://www.ic.gc.ca/eic/site/025.nsf/eng/home> (English)
<http://www.ic.gc.ca/eic/site/025.nsf/fra/accueil> (French)

You will need your number from your certificate to get started and the usual list of questions. Once you set up your account you can then modify it if required.

Some of the callsigns that contain incomplete information include the following list for Ontario. If you have any information on these please update the data or let me know and I will see to it. Also some could be silent keys and again please let me know.

VE3ABK, VE3CDH, VE3CDL, VE3CER, VE3FPS, VE3GGC, VE3HDG, VE3JPF, VE3RCR, VE3RNP, VE3SCE, VE3SNP, VE3SRL, VE3SWL, VE3THS, VE3ULY, VE3WBS, VE3XIS, VA3CGD, VA3DOT, VA3GGC, VA3MCM, VA3SCG, VA3YAC

If you have any questions or concerns please email me at ve3xt@rac.ca.

Bill VE3XT
North East Ontario Regional Director
Radio Amateurs of Canada

Lakehead Amateur Radio Club

December 2011 Treasurers Report

Balance December 01 2011	\$697.15
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Income

Dec 09	50/50 Deposit	\$5.50
Total Income		\$5.50

Expenses

Dec 01	Leo Wehrstedt	Internet fees \$	\$186.04
Dec 09	CNIB Radio Program	Donation	\$100.00
Dec 12	YQT Telephone		\$47.96
Dec 12	Telephone cell		\$0.57
Dec 31	Service charge		\$0.50
Total Expenses			\$335.07
Balance on hand December 31 2011			\$367.58

Trailer Account

Previous Balance		\$483.68
Income		
Dec 10	Donation from Intercity Mall	\$300.00
Dec 31	Interest	\$0.06
Expenses	Nil	
Balance in Trailer Account		\$783.74

Term Account

Balance December 01 2011	\$3,012.60
Interest December 09 2011	\$0.99
Balance December 31 2011	3013 .59

Paul Curtin VA3PDC
Treasurer

Lakehead Amateur Radio Club

2011 / 2012 Membership Application

Name: _____ Cali: _____

Name: _____ Call: _____

Address _____

Email: _____ Phone: _____

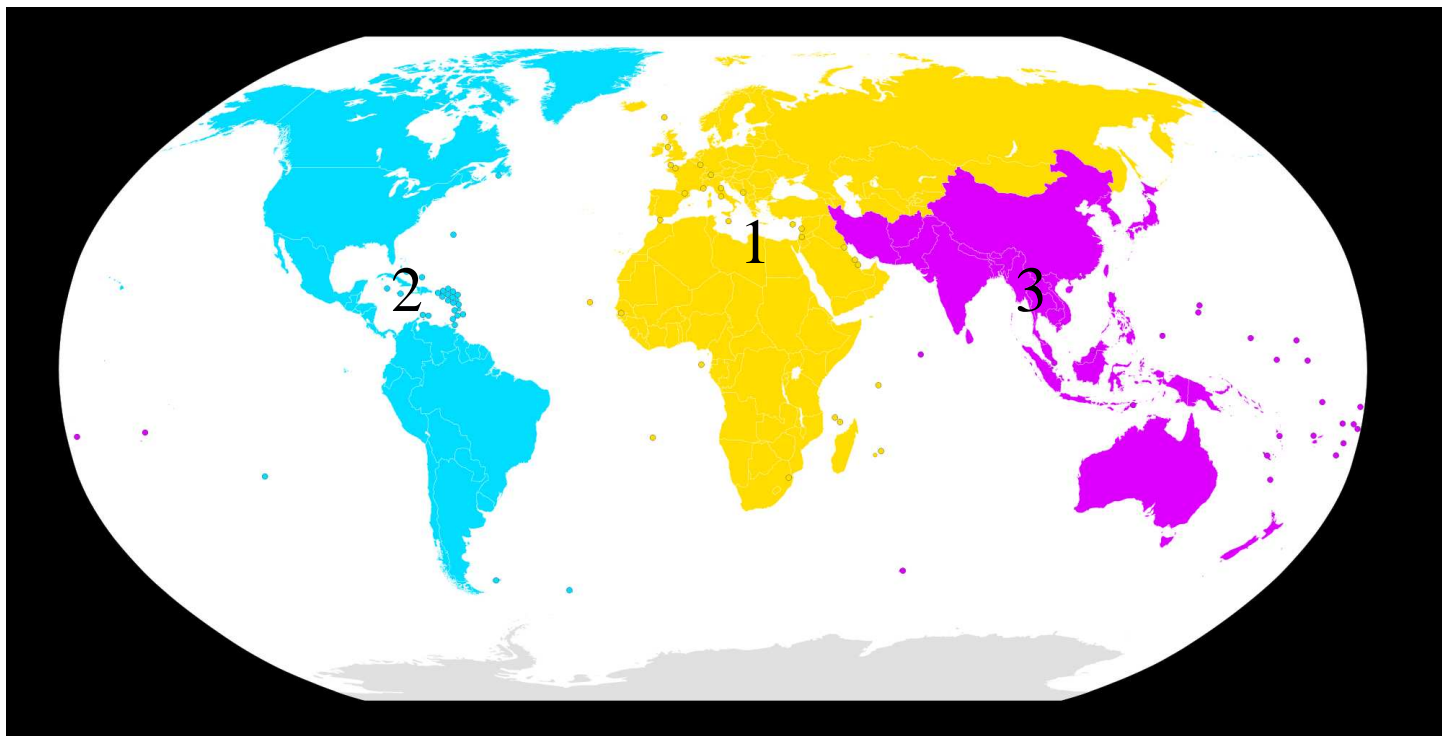
Please complete the following questions:

- Are you currently a member of RAC? (YES/NO)
 - Member Number: _____
- Are you interested in volunteering for ARES? (YES/NO)
- Are you interested in volunteering for public service events? (YES/NO)

Type of membership

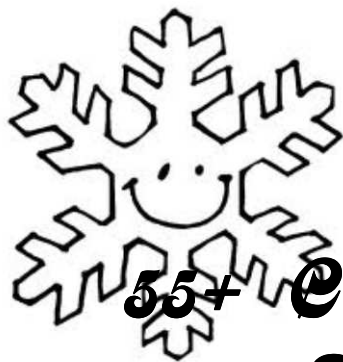
Regular (single) \$35.00	<input type="checkbox"/>
Family \$45.00	<input type="checkbox"/>
Associate \$20.00	<input type="checkbox"/>

Amount received \$ _____ cash or cheque



The ITU Regions

It's Back!
Better Than Ever!
You won't find it on a Mayan Calendar
F.Y.B.O.*
2012



Feb. 5
55+ Centre on River Street
Details to follow!

Or contact Bill Unger VE3XT

* Freeze Your Buns Off contest

January 2012

Mon	Tue	Wed	Thu	Fri	Sat	Sun
Please consider becoming a LARC member		Your donations help maintain the repeaters and other club projects				1 <small>New Year's Day</small> ARES Net 1945 hrs VE3TBR
2	3	4	5	6	7	8 ARES Net 1945 hrs VE3TBR
9	10	11	12 LARC Meeting	13	14	15 ARES Net 1945 hrs VE3TBR
16	17	18	19	20	21	22 ARES Net 1945 hrs VE3TBR
23	24	25	26	27	28	29 ARES Net 1945 hrs VE3TBR
30	31					5 February Freeze Yer Buns Off 2012